

(FILE 'HOME' ENTERED AT 11:18:13 ON 02 APR 2004)

FILE 'BIOSIS, MEDLINE, CAPLUS, JICST-EPLUS, SCISEARCH, LIFESCI' ENTERED  
AT 11:19:59 ON 02 APR 2004

L1 257557 S CAROTENOID? OR LUTEIN? OR CAROTENE? OR XANTHOPHYLL?  
L2 2603 S L1 (S) (ALBUMIN OR CASEIN? OR GELATIN? OR PEPTONE OR HEMOGLOB  
L3 636 S L2 AND (METAL ION? OR METAL SALT? OR MAGNESIUM? OR MANGANESE  
L4 144 S L2 AND (METAL ION? OR METAL SALT? OR MAGNESIUM? OR MANGANESE  
L5 1 S L4 AND (THF OR TETRAHYDROFURAN OR METHANOL OR ETHANOL OR PRO  
L6 16 S L3 AND (THF OR TETRAHYDROFURAN OR METHANOL OR ETHANOL OR PRO  
L7 11 DUP REM L6 (5 DUPLICATES REMOVED)  
L8 602 S ISOPRENOID? (S) (METAL ION? OR METAL SALT? OR MAGNESIUM? OR M  
L9 11 S L8 AND (THF OR TETRAHYDROFURAN OR METHANOL OR ETHANOL OR PRO  
L10 8 DUP REM L9 (3 DUPLICATES REMOVED)  
L11 119343 S (CAROTENOID? OR CAROTENE? OR CAROTENAL? OR CRYPTOXANTHIN OR L  
L12 3256 S L11 AND (THF OR TETRAHYDROFURAN OR METHANOL OR ETHANOL OR PRO  
L13 631 S L12 AND (PROTEIN? OR CASEIN? OR ALBUMIN OR GELATIN? OR PEPTON  
L14 194 S L13 AND (METAL ION? OR METAL SALT? OR MAGNESIUM? OR MANGANESE  
L15 140 DUP REM L14 (54 DUPLICATES REMOVED)  
L16 0 S L15 AND (PROTIEN-BOUND? OR PROTEIN-BIND? OR CAROTEINOID-PROTE  
L17 973 S L1 AND (PROTEIN-BOUND? OR PROTEIN BOUND? OR PROTEIN-BIND? OR  
L18 129 S L17 AND (METAL ION? OR METAL SALT? OR MAGNESIUM? OR MANGANES  
L19 103 DUP REM L18 (26 DUPLICATES REMOVED)  
L20 1 S L19 AND (THF OR TETRAHYDROFURAN OR METHANOL OR ETHANOL OR PR  
L21 1 S L20 AND (PROTEIN? OR CASEIN? OR ALBUMIN OR GELATIN? OR PEPTO

## WEST Search History





DATE: Friday, April 02, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L37	20020301	7
<input type="checkbox"/>	L36	L35 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	57
<input type="checkbox"/>	L35	l29 same (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	72
<input type="checkbox"/>	L34	carotenoid\$1protein or caroten\$3protein or lutein\$1protein or lycopene\$1protein (protein\$1bound or protein\$1bind\$3) near5 (carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	5
<input type="checkbox"/>	L33		1
<input type="checkbox"/>	L32	L31 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	587
<input type="checkbox"/>	L31	L30 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	696
<input type="checkbox"/>	L30	L29 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	696
<input type="checkbox"/>	L29	(protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable) same l26	1026
<input type="checkbox"/>	L28	L27 and (protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable)	1780
<input type="checkbox"/>	L27	L26 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	1891
<input type="checkbox"/>	L26	(carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	2662
		<i>DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L25	L23 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	250
<input type="checkbox"/>	L24	L23 same (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	62
		L21 same (metal ion or calcium or magnesium or manganese or potassium or	

<input type="checkbox"/>	L23	iron or ferrous)	652
<input type="checkbox"/>	L22	L21 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	1472
<input type="checkbox"/>	L21	L17 same (protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobulin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable)	2911
<input type="checkbox"/>	L20	L19 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	2302
<input type="checkbox"/>	L19	L18 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	2853
<input type="checkbox"/>	L18	L17 and (protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobulin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable)	5851
<input type="checkbox"/>	L17	carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin or epi\$1lutien or echinenone or iso\$1bixin	10286
<input type="checkbox"/>	L16	carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin or epi\$1lutien or echinenoned or iso\$1bixin	10284
<input type="checkbox"/>	L15	L14 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	30
<input type="checkbox"/>	L14	L13 and (noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobulin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk)	39
<input type="checkbox"/>	L13	l12 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	39
<input type="checkbox"/>	L12	(protein\$1bound or protein\$1bind\$3) and (carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	42
<input type="checkbox"/>	L11	(protein\$1bound or protein\$1bind\$3) near5 (carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	0
<input type="checkbox"/>	L10	carotenoid\$1protein or caroten\$3protein or lutein\$1protein or lycopene\$1protein	14
<input type="checkbox"/>	L9	L8 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	8
<input type="checkbox"/>	L8	L6 and (carotenoid or carotein or lutein or lycopene)	8
<input type="checkbox"/>	L7	L6 and protein	28

<input type="checkbox"/>	L6	isoprenoid same (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	44
<input type="checkbox"/>	L5	L4 or l2	4
<input type="checkbox"/>	L4	us-4699664-\$.did.	2
<input type="checkbox"/>	L3	us-46999664-\$.did.	0
<input type="checkbox"/>	L2	us-5510551-\$.did.	2
<input type="checkbox"/>	L1	us-6075058-\$.did.	2

END OF SEARCH HISTORY

## WEST Search History





DATE: Friday, April 02, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L37	20020301	7
<input type="checkbox"/>	L36	L35 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	57
<input type="checkbox"/>	L35	l29 same (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	72
<input type="checkbox"/>	L34	carotenoid\$1protein or caroten\$3protein or lutein\$1protein or lycopene\$1protein (protein\$1bound or protein\$1bind\$3) near5 (carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	5
<input type="checkbox"/>	L33		1
<input type="checkbox"/>	L32	L31 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	587
<input type="checkbox"/>	L31	L30 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	696
<input type="checkbox"/>	L30	L29 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	696
<input type="checkbox"/>	L29	(protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable) same l26	1026
<input type="checkbox"/>	L28	L27 and (protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable)	1780
<input type="checkbox"/>	L27	L26 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	1891
<input type="checkbox"/>	L26	(carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	2662
		<i>DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L25	L23 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	250
<input type="checkbox"/>	L24	L23 same (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	62
		L21 same (metal ion or calcium or magnesium or manganese or potassium or	

<input type="checkbox"/>	L23	iron or ferrous)	652
<input type="checkbox"/>	L22	L21 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	1472
<input type="checkbox"/>	L21	L17 same (protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobulin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable)	2911
<input type="checkbox"/>	L20	L19 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	2302
<input type="checkbox"/>	L19	L18 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	2853
<input type="checkbox"/>	L18	L17 and (protein or proteinaceous or noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobulin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk or milk or corn germ or proteinase inhibitor or meat or bovine or chicken or vegetable)	5851
<input type="checkbox"/>	L17	carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin or epi\$1lutien or echinenone or iso\$1bixin	10286
<input type="checkbox"/>	L16	carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin or epi\$1lutien or echinenoned or iso\$1bixin	10284
<input type="checkbox"/>	L15	L14 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	30
<input type="checkbox"/>	L14	L13 and (noctoferrine or albumin or casin or gelatin\$1 or peptone or hemoglobin or haemoglobulin or lactoglobulin or protein or zein or glutin or gliadin or soy\$2bean or soy or tubulin or actin or whey or oat flour or whey or kunitz or bowman\$1birk)	39
<input type="checkbox"/>	L13	l12 and (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	39
<input type="checkbox"/>	L12	(protein\$1bound or protein\$1bind\$3) and (carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	42
<input type="checkbox"/>	L11	(protein\$1bound or protein\$1bind\$3) near5 (carotene or carotenoid or xanthophyll or lutein or lycopene or actinioerythrol or astaxanthin or bixin or canthaxanthin or capsanthin or capsorubin or violerythrin or zeaxanthin or carotenal or paprika oleoresin)	0
<input type="checkbox"/>	L10	carotenoid\$1protein or caroten\$3protein or lutein\$1protein or lycopene\$1protein	14
<input type="checkbox"/>	L9	L8 and (THF or isopropanol or isopropyl alcohol or methanol or ethanol or tetrahydrofuran or propylene glycol or methylene chloride)	8
<input type="checkbox"/>	L8	L6 and (carotenoid or carotein or lutein or lycopene)	8
<input type="checkbox"/>	L7	L6 and protein	28

<input type="checkbox"/>	L6	isoprenoid same (metal ion or calcium or magnesium or manganese or potassium or iron or ferrous)	44
<input type="checkbox"/>	L5	L4 or l2	4
<input type="checkbox"/>	L4	us-4699664-\$.did.	2
<input type="checkbox"/>	L3	us-46999664-\$.did.	0
<input type="checkbox"/>	L2	us-5510551-\$.did.	2
<input type="checkbox"/>	L1	us-6075058-\$.did.	2

END OF SEARCH HISTORY